FORM P	FO-144	0		SERIAL NO.		10/574,886	rage i
FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT				FILING DATE		10/3/4,880	
INFORMATION DISCLUSURE STATEMENT			APPLICANT		Giblin et al.		
				GROUP		1614	
				EXAMINER		1014	
					PB60532USw		
	U.S. PATENT DOCUMENTS ATTORNEY DOCKET NO. PB60532USw)3W
Examine		Patent	Issue Date	Name	Class	Subclass	Filing Date
r Initials		Number					Appropriate
111111111111111111111111111111111111111	 	5,219,856	June 15, 1993	Olson			
	1 2	5,232,945	Aug. 3, 1993	Hulin	1		
	3	5,344,991	Sept. 6, 1994	Reitz et al.			
***************************************	4	5,420,287		Reitz et al.	-		
	5		May 30, 1995				
		5,424,450	June 13, 1995	Boswell et al.			}
	6	5,470,975	Nov. 28, 1995	Atwal			
	7	5,474,995	Dec. 12, 1995	Ducharme et al.	 		
1.0	8	5,512,681	Apr. 30, 1996	Boswell et al.	1	 	
	9	5,563,128	Oct. 8, 1996	Pauls et al.	1		
***************************************	10	5,807,896	Sept. 15, 1998	Gericke et al.			
	11	5,840,746	Nov. 24, 1998	Ducharme et al.	4		ļ
	12	5,972,986	Oct. 26, 1999	Seibert et al.		·	
	13	6,048,859	Apr. 11, 2000	Dorn et al.			
	14	6,066,766	May 23, 2000	Haber et al.			ļ
	15	6,136,839	Oct. 24, 2000	Isakson et al.	1		<u> </u>
·-····	16	6,440,963	Aug. 27, 2002	Leonardi et al.			
	17	6,451,843	Sept. 17, 2002	Lieb et al.			
	18	6,458,965	Oct. 1, 2002	Lieb et al.			
	19	6,495,149	Dec. 17, 2002	Scavone et al.			
	20	7,232,821	June 19, 2007	Giblin et al.			
	21	US2001/020100	Sept. 6, 2001	Manning et al.			
	22	US2001/047024	Nov. 29, 2001	Seibert et al.			
	23	US 2002 045605	Apr. 18, 2002	Kargman et al.			
	24	US2002/095041	July 18, 2002	Chan et al.			
	25	US2002/107276	Aug. 8, 2002	Isakson et al.			
	26	US2003073844	Apr. 17, 2003	Ku et al.			
			Continu	e on page			
			FOREIGN PA	TENT DOCUMEN	ГS		
		Document	Publication				Translation
		Number	Date	Country	Class	Subclass	Yes No
	27	AU 8311483	Mar. 3, 1982	AUSTRALIA			Abstract only
	28	BEL 611179	Dec. 6, 1960	BELGIUM	1		Abstract only
	29	DE 4032522	Apr. 16, 1992	GERMANY	1		Abstract only
	30	DE 4034728	May 7, 1992	GERMANY	1		Abstract only
	31	DE 20211496	Nov. 19, 2002	GERMANY			Abstract only
	32	DE 19612101	Oct. 2, 1997	GERMANY	1		Abstract only
	33	DE 4407488	Sept. 14, 1995	GERMANY	 		
	34	DT 2405171	Feb. 19, 1973	GERMANY	1		Abstract only
	35	EP 52300	Nov. 13, 1980	EUROPE	1 1		Abstract only
	36	EP 131302	Jan. 16, 1985	EUROPE	1		
	37	EP 0470794	Feb. 12, 1992	EUROPE			
	38	EP 499415	Aug. 19, 1992	EUROPE	†		
	39	EP 499416	Aug. 19, 1992	EUROPE	 		
	40	EP 540009	May 5, 1993	EUROPE	 		
	41	EP 706795	Apr. 17, 1996	EUROPE	†	•	
	42	EP 0799823	Oct. 8, 1997	EUROPE			
	43	EP 733366	Apr. 1, 1998	EUROPE	<u> </u>	***************************************	
	44	EP 707007	Dec. 12, 2001	EUROPE	 		
	45	EP 1251126	Oct. 23, 2002	EUROPE	†	- <u>l</u>	
1		1 -10 . 1.00	1 000. 20, 2002		<u> </u>		L

	46	EP 1264847	Dec. 11, 2002	EUROPE		Abstract only
	47	EP-1312605	May 21, 2003	EUROPE		Austractonly
	48	GB 2,272,899	June 1, 1994	GREAT		
	40	GB 2,272,099	Julie 1, 1994	BRITAIN		
	49	JP 04076087	Mar. 10, 1992	JAPAN		Abstract only
	50	JP 04235933	Aug. 25, 1992	JAPAN		Abstract only
	51	JP 05224442	Sept. 3, 1993	JAPAN		Abstract only
	52	JP 06065213	March 8, 1994	JAPAN		Abstract only
	53	JP 2002275064	Sept. 25, 2002	JAPAN		Abstract only
	54	JP 2002363748	Dec. 18, 2002	JAPAN		Abstract only
	55	JP 2003192659	July 9, 2003	JAPAN		Abstract only
	56	NE 6610022	Aug. 2, 1965	NIGER		Abstract only
	57	WO 91/15479	Oct. 17, 1991	WIPO		
	58	WO 92/02257	Fcb. 20, 1992	WIPO		
	59	WO 92/20642	Nov. 26, 1992	WIPO		1
	60	WO 93/04045	Mar. 4, 1993	WIPO		
	61	WO 93/04046	Mar. 4, 1993	WIPO		<u> </u>
	62	WO 94/05658	Mar. 17, 1994	WIPO		
	63	WO 95/00501	Jan. 5, 1995	WIPO		<u> </u>
	64	WO 95/05372	Feb. 23, 1995	WIPO		Abstract only
	65	WO 95/11883	May 4, 1995	WIPO		
	66	WO 95/17393	June 29, 1995	WIPO		
	67	WO 95/26724	Oct. 12, 1995	WIPO		
	68	WO 95/27692	Oct. 19, 1995	WIPO		
—————————	69	WO 96/10012	Apr. 4, 1996	WIPO		İ .
	70	WO 96/11902	Apr. 25, 1996	WIPO		
	71	WO 96/11676	Apr. 25, 1996	WIPO		
	72	WO 96/16934	June 6, 1996	WIPO		1
	73	WO 96/36623	Nov. 21, 1996	WIPO		
	74	WO 96/37496	Nov. 28, 1996	WIPO		
	75	WO 96/41645	Dec. 27, 1996	WIPO		
	76	WO 97/03667	Feb. 6, 1997	WIPO		
	77	WO 97/05131	Feb. 13, 1997	WIPO		
	78	WO 97/11701	Apr. 3, 1997	WIPO		
	79	WO 97/16435	May 9, 1997	WIPO		
	80	WO 97/29748	Aug. 21, 1997	WIPO		
	81	WO 97/38986	Oct. 23, 1997	WIPO		
	82	WO 98/55468	Dec. 10, 1998	WIPO		
	83	WO 98/16227	Apr. 23, 1998	WIPO		
	84	WO 98/25896	June 18, 1998	WIPO		<u> </u>
	85	WO 98/28257	July 2, 1998	WIPO		Abstract only
	86	WO 99/17776	Apr. 15, 1999	WIPO		
ļļ.	87	WO 99/58487	Nov. 19, 1999	WIPO		
	88	WO 00/02887	Jan. 20, 2000	WIPO		
 	89	WO 00/47553	Aug. 17, 2000	WIPO		
	90	WO 00/53149	Sept. 14, 2000	WIPO		ļ
	91	WO 00/59506	Oct. 12, 2000	WIPO		
	92	WO 00/76489	Dec. 21, 2000	WIPO		
 	93	WO 01/21582	Mar. 29, 2001	WIPO		Abstract only
	94	WO 01/64646	Sept. 7, 2001	WIPO		
	95	WO 01/081332	Nov. 1, 2001	WIPO		
 	96	WO 01/55146	Aug. 2, 2001	WIPO		A hatman at a 1-
·	97	WO 02/12210	Feb. 14, 2002	WIPO		Abstract only
	98	WO 02/20004	Mar. 14, 2002	WIPO		·
	99	WO 02/50002 WO 02/099435	June 27, 2002	WIPO WIPO		<u> </u>
ļ	100		Dec. 12, 2002	WIPO		
	101	WO 02/100838	Dec. 19, 2002	WIPO		
	102	WO 03/02548 WO 03/006628	Jan. 9, 2003 Jan. 23, 2003	WIPO		1
	103					A hotroot anl:
l	104	WO 03/010145	Feb. 6, 2003	WIPO	<u> </u>	Abstract only

Page 3 of 4

	105	WO 03/20790	Mar. 13, 2003	WIPO		Abstract only	
	105	WO 03/45552	June 5, 2003	WIPO		Austractionly	
	107	WO 03/048257	June 12, 2003	WIPO		 	
	107	WO 03/051860	June 26, 2003	WIPO			
	109	WO 03/053927	July 3, 2003	WIPO		Abstract only	
	110	WO 03/033927 WO 04/39753	May 13, 2004	WIPO		Abstract only	
	110	VV 0 04/39/33	Way 13, 2004	WIFO			
<u> </u>	•	<u> </u>	Contin	lue on page			
		OTHER DOCUME			al-Date Page No	imber Etc.)	
	111						
ŀ	٠ ا	Damage." Toxicological Sciences, October 19, 2005, 89(1), pgs. 265-270.					
	112						
		6, 2000, pgs 487-506.	•			•	
	113	Baker, R.W., et al. "Cl	nirality transfer fro	om a piphenyl axi	s to a spiro center	r and its reverse sequential self-	
		immolation." Tetrahed	ron Letters, Vol. 4	10, No. 17, 1999,	pgs 3475-3478.	-	
	114	Blank, B., et al. "Synth	esis of Biphenyl I	Portion of Decinit	ne." Journal of C	chemical and Engineering Data,	
		Vol. 16, No. 2, 1971, p					
	115					to .omicronterphenyls."	
		Journal of The America					
Ì	116				um bromide with	hindered ketones." Journal of	
		Organic Chemistry, Vo					
-	117	Hori, M., et al. "Dibenzothiophenes and Related Compounds. III. 1,2) Reactions of 10-Substituted 9,9-					
Dimethylthioxanthenium and 5-Substituted Dibenzothiopher				enium Salts with	Organolithiums." Chemical &		
	110	Pharmaceutical Bulletin (1974), 22(9), pgs 2004-2013.					
	Imai, Y., et al. "Novel axial chiral sulfur-oxazoline ligands with a biphenyl backbone." Synlett, No				backbone." Synlett, No. 8,		
	110	1999, pgs. 1319-1321.					
	119	Kawahara, et al. "A Prostaglandin E2 Receptor Subtype EP1 Receptor Antagonist (ONO-8711) Reduces Hyperalgesia, Allodynia, and C-fos Gene Expression in Rats with Chronic Nerve Constriction." Anesth					
				Expression in Ka	us with Chronic i	verve Construction. Allestin	
	Analg. 2001, 93, pgs. 1012-7. 120 Kawano, et al. "Prostaglandin E2 EP1 Receptors: Downstream Effectors of Cox-2 Neurotoxicity." N					f Cox-2 Neurotoxicity " Nature	
		Medicine, February 2006, 12(2), pgs. 225-229.					
	121 Lacombe, P., et al. "2,3-Diarylthiophene as potent ligands for the human EP1 prostanoid receptor."				P1 prostanoid receptor."		
		Abstracts of Papers American Chemical Society, Vol. 220, No. Part 1, 2000, page MEDI 246.					
	122	Malik, O.P., et al. "Studies on Cannabinoids: Part III. Synthesis of 9,10,11,11a-Tetrahydro-6H,8H-					
}	1	Pyrido(1,2-c] [1,3]benzoxazine." Indian Journal of Chemistry, Section B: Organic Chemistry Includia					
	Medicinal Chemistry, 1976, 14B(12), pgs 975-978.						
	Moorlag, H., et al. "An asymmetric synthesis of a C2 symmetric tetrasubstituted biaryl: 2,2'-dihyc 6,6'-dimethyl-1,1'-biphenyl, a stable chiral system." Tetrahedron Letters, Vol. 34, No. 44, 1993, p						
						/ol. 34, No. 44, 1993, pgs 6993-	
<u> </u> .		6996.	12	1		. 11 1	
	124					controlled synthesis of 2,2'6,6-	
	135	tetrasubstituted bipheny					
	Omote, et al. "The Effects of Intrathecal Administration of an Antagonist for Prostaglandin E Recept Subtype EP1 on Mechanical and Thermal Hyperalgesia in a Rat Model of Postoperative Pain." Anes						
		Analg. 2002, 95, pgs. 1		i rryperaigesia in	a Nativiouel of P	ostoperative raili. Allestit	
	126			Administration	fa Novel Selection	ve Antauonist for Prostaglandin	
	'20	Omote, et al "The Effects of Peripheral Administration of a Novel Selective Antagonist for Prostaglandin E Receptor Subtype EP1, ONO-8711, in a Rat Model of Postoperative Pain." Anesth Analg., 2001, 92,					
		pgs. 233-8.	1, 0110-0711, 111	a ital Model of 1	ostoperative rain	. Micsui Miaig., 2001, 72,	
	127		cient Hydrogenat	ion of Sterically I	lindered Olefins	with Borane-Methyl Sulfide	
		Complex." Journal of					
	128					elective transition-metal	
		catalysis." Helvetica C	•				
	129	Sarkar, et al "The Pro				iced Visceral Pain	
		Hypersensitivity in Hur	nans." Gastoenter	ology, 2003, 124	, pgs. 18-25.		
	130	Stock, et al "The Prostaglandin E2 EP1 Receptor Mediates Pain Perception and Regulates Blood					
		Pressure." The Journal					
	131					Excess of Organolithium	
Reagent. 11. Polar Addition to 3-Lithioarynes and Synthesis of 2-Substituted Isophthalic							
		Akad. Nauk SSSR, Ser.					
[132		Strobilurin and P	yrımıdıne Analog	s. Research Disc	closure, December 1995, pgs	
ı	i	823-824.					

Page 4 of 4

133	Whitesell, J.K., et al. "Synthesis and Resolution of Bis(2-Hydroxyphenyl)cyclopentane." Tetrahedron	a New Chiral C2-Symmetric Bisphenol: Trans-1,2- Letters, 1997, 38(15), pgs. 2589-2592.		
	Continue on page			
EXAMINER		DATE CONSIDERED		
	Initial if citation considered, whether or not citation is n conformance and not considered. Include copy of th			